

Appl. No. 09/909,025
Reply to Office Action of July 12, 2005

Docket No. EMC-011PUS

Amendments to the Claims:

This listing of the claims will replace all prior versions, and listings, of the claims in the application:

Claims 1-46 (Canceled)

- 1 47. (Previously presented) A method of creating a data storage pool, comprising:
2 providing information for a plurality of storage resources in response to a user query;
3 assigning at least one storage property to selected ones of the plurality of storage resources
4 in response to user instructions to define the data storage pool;
5 receiving a logical expression to identify respective ones of the storage resources that are
6 available for a requested store operation based upon the storage properties assigned to the selected
7 ones of the storage resources; and
8 allocating selected ones of the identified storage resources for the requested store
9 operation.
- 10
- 11 48. (Previously presented) The method according to claim 47, wherein the logical expression
12 includes at least one logical operator and at least two storage properties.
- 13
- 14 49. (Previously presented) The method according to claim 48, wherein the logical expression
15 includes an amount of storage needed for the requested store operation.
- 16
- 17 50. (Previously presented) The method according to claim 47, further including receiving a new
18 property as part of the logical expression.
- 19

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- 1 51. (Previously presented) The method according to claim 47, further including assigning a
2 particular one of the at least one storage properties to a particular type of storage resource.
3
- 4 52. (Previously presented) The method according to claim 47, wherein the plurality of storage
5 resources includes logical volumes.
6
- 7 53. (Previously presented) The method according to claim 47, further including receiving a user
8 instruction to identify a storage resource as hand-off storage.
9
- 10 54. (Previously presented) The method according to claim 47, wherein the user query is
11 generated by a storage administrator.
12
- 13 55. (Previously presented) The method according to claim 47, wherein the logical expression is
14 generated by a database administrator.
15
- 16 56. (Previously presented) An article, comprising:
17 a storage medium having stored thereon instructions that when executed by a machine
18 result in the following:
19 providing information for a plurality of storage resources in response to a user query;
20 assigning at least one storage property to selected ones of the plurality of storage resources
21 in response to user instructions to define the data storage pool;
22 receiving a logical expression to identify respective ones of the storage resources that are
23 available for a requested store operation based upon the storage properties assigned to the selected
24 ones of the storage resources; and
25 allocating selected ones of the identified storage resources for the requested store
26 operation.
27
- 28 57. (Previously presented) The article according to claim 56, wherein the logical expression
29 includes at least one logical operator and at least two storage properties.

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1 58. (Previously presented) The article according to claim 57, wherein the logical expression
2 includes an amount of storage needed for the requested store operation.

3

4 59. (Previously presented) The article according to claim 57, further instructions to include
5 assigning a particular one of the at least one storage properties to a particular type of storage
6 resource.

7

8 60. (Previously presented) A system, comprising:

9 a processor; and

10 a memory coupled to the processor, the memory including instructions that when executed
11 result in the following:

12 providing information for a plurality of storage resources in response to a user query;
13 assigning at least one storage property to selected ones of the plurality of storage resources
14 in response to user instructions to define the data storage pool;

15 receiving a logical expression to identify respective ones of the storage resources that are
16 available for a requested store operation based upon the storage properties assigned to the selected
17 ones of the storage resources; and

18 allocating selected ones of the identified storage resources for the requested store
19 operation.

20

21 61. (Previously presented) The system according to claim 60, wherein the logical expression
22 includes at least one logical operator and at least two storage properties.

23

24 62. (Previously presented) The system according to claim 60, wherein the logical expression
25 includes an amount of storage needed for the requested store operation.

26

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- 1 63. (Previously Amended) The system according to claim 60, further including instructions to
- 2 assign a particular one of the at least one storage properties to a particular type of storage
- 3 resource.
- 4
- 5 64. (Previously Presented) The method according to claim 47, further including determining
- 6 which ones of the identified storage resources have preferred characteristics.
- 7
- 8 65. (Previously Presented) The method according to claim 64, wherein the preferred
- 9 characteristics include storage resources having multiple disk spindles.
- 10
- 11 66. (New) The method according to claim 47, wherein the logical expression includes a storage
- 12 property not assigned to any of the storage resources, and further including:
 - 13 receiving an identification of a first one of the plurality of storage resources having the
 - 14 unassigned storage property; and
 - 15 allocating the first one of the storage resources based upon the logical expression.